

**PV Knit Goods Processing
Draft Upland Site Summary**

PV KNIT GOODS PROCESSING (DAR SITE ID # 137)

Address: 16-33 Centre Street, Ridgewood, New York, 11385
Tax Lot Parcel(s): Queens Block 3550, Lot 18
Latitude: 40.69721
Longitude: -73.905109
Regulatory Programs/
Numbers/Codes: PBS No. 2-601522, FIS No. 2-6305-00092, Expired IWD Permit
Nos. 95-521-1, 96-P-542-1, and 01-P542-1,
USEPA FRS No. 110019123134
Analytical Data Status: ☐ Electronic Data Available ☒ Hardcopies only
☐ No Data Available

**1 SUMMARY OF CONSTITUENTS OF POTENTIAL CONCERN (COPCs) TRANSPORT
PATHWAYS TO THE CREEK**

The current understanding of the transport mechanisms of contaminants from the upland portions of the PV Knit Goods Processing site (site) to Newtown Creek is summarized in this section and Table 1.

Overland Transport

The site is located 1.5 miles from Newtown Creek and associated waterways. This is not a complete current or historical pathway.

Bank Erosion

The site is not adjacent to Newtown Creek and associated waterways. This is not a complete current or historical pathway.

Groundwater

The site is located approximately 1.5 miles from Newtown Creek and associated waterways. Information regarding on-site groundwater investigations was not identified in documents available for review. There is insufficient evidence to make a current or historical pathway determination.

Overwater Activities

The site is not adjacent to Newtown Creek and associated waterways. Information regarding overwater activities was not identified in documents available for review. This is not a complete current or historical pathway.

Stormwater/Wastewater Systems

No records of site stormwater infrastructure were found in reviewed records. The site is within the Newtown Creek Water Pollution Control Plant (WPCP) sewershed. Stormwater and wastewater discharges from the site flow into a combined municipal sewer system. When the combined flows exceed the system's capacity, untreated combined sewer overflows (CSOs) are discharged to Newtown Creek (NYCDEP 2007). Three Industrial Wastewater Discharge (IWD) permits were issued to the site (NYCDEP 1995, 1996a, 2001a). These permits have expired, and no additional IWD permit information was found in the materials reviewed. Discharge to the sewer system and CSOs is a potentially complete current and historical pathway. There is insufficient evidence to make a pathway determination for direct discharge of stormwater and wastewater.

Air Releases

No historical or current air permits were located for the site in available documents. However, the current site occupant, Fashion Dye Works, Inc., is listed in the New York Facility Information System (FIS) database under the code FIS-2-6305-00092/00002 AIR PROGRAM (USEPA 2012). No further information regarding air emissions from the site was identified in documents available for review. There is insufficient evidence to make a current or historical pathway determination.

2 PROJECT STATUS

Information regarding on-site environmental investigations was not identified in documents available for review. A New York State Department of Environmental Conservation (NYSDEC) Site Code was not found for this site.

3 SITE OWNERSHIP HISTORY

Respondent Member:

☐ Yes ☒ No

Owner	Years	Occupant	Types of Operations
Unknown	circa 1943	Unknown	Garage and warehouse buildings
Unknown	circa 1951	Unknown	Metal novelties manufacturer and warehouse buildings
Orlando and Ruth Melendez (Lot 18)	1979	Unknown	
Joseph and Giovannina Lana (Lot 20)	Unknown – 1979	Unknown	
P&A Knitting Mill, Inc. (Lot 21)	Unknown – 1979	Unknown	
1630 Realty Corporation (Lot 26)	1969	Unknown	
HJB Cabinet Corporation (Lot 29)	Unknown – 1975	Unknown	
William P. Clark and James P. Clark, Jr. (Lot 90)	Unknown – 1979	Unknown	
Y&S Upholstering (Lot 95)	Unknown – 1976	Unknown	
Restivo Brothers Bakers, Inc./Restivo Realty	1979 – 1986	Unknown	
PV Knit Goods Processing Company	1986 – 2006	PV Knit Goods Processing Company	Textile dyer
16-18 Weirfield, LLC	2006 – present	Unknown	
	2003 – present	Fashion Dye Works, Inc.	Textile machinery manufacturing

Note:

Additional discussion and sources provided in Section 6.

4 PROPERTY DESCRIPTION

This site is approximately 1.1 acres in size and is located about 1.5 miles southeast of the East Branch of Newtown Creek. It is occupied by buildings with a small asphalt paved area. The site is elevated between 65 and 70 feet above mean sea level and slopes gently to the southwest as shown on Figure 1. The site and nearby properties are zoned for manufacturing (NYCDGP 2011).

5 CURRENT SITE USE

As of November 19, 2003, the address has been registered to Fashion Dye Works, Inc. and identified as a textile machinery manufacturing site (USEPA 2012; Companydatabase.org 2012).

6 SITE USE HISTORY

In the early twentieth century, the site was divided into small parcels (Sanborn 1902, 1914). By the 1930s, a 40-car capacity garage existed on Centre Street and warehouse space was located on Weirfield Street (Sanborn 1936). In the early 1950s, a metal novelties manufacturer was located at 16-33 Centre Street and warehouse and storage buildings were on Weirfield Street (Sanborn 1951).

Throughout the 1960s and 1970s, the Restivo Brothers Bakers, Inc. and Restivo Realty Corporation purchased about nine lots on block 3550, which merged to comprise the current Lot 18 on block 3550 (Sanborn 1914; NYCDOF 2012).

PV Knit Goods Processing Co. succeeded Restivo Brothers at the site in 1986 (Restivo Realty Corporation 1986; Augie Restivo Baking 1986). Available records indicate PV Knit Goods Processing Co. was a textile dyer and also operated as a finishing plant for cotton (companydatabase.org 2012). PV Knit Goods sold the property in 2006 (PV Knit Goods 2006).

7 CURRENT AND HISTORICAL AREAS OF CONCERN AND COPCs

The current understanding of the historical and current potential upland and overwater areas of concern at the site is summarized in Table 1. The following sections provide a brief discussion of the potential sources and COPCs at the site requiring additional discussion.

Areas of concern at the site include areas in which metal novelties manufacturing, textile dyeing, cotton finishing, and textile machinery manufacturing occurred as well as aboveground storage tank (AST). The primary COPCs associated with these areas include volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals (including copper), and petroleum hydrocarbons (including No. 2 fuel oil).

7.1 Uplands

PV Knit Goods Processing Co. was a registered Petroleum Bulk Storage (PBS) facility (PBS No. 2-601522; NYSDEC 2012). A 6,000-gallon, steel AST containing No. 2 fuel oil was installed at the site in June 1988. The AST had no leak detection; however, it did have secondary containment in the form of aboveground diking. The AST was closed and removed from the site in August 2007 (NYSDEC 2012).

7.2 Overwater Activities

This site is not adjacent to Newtown Creek or associated waterways. Information regarding overwater activities was not identified in documents available for review.

7.3 Spills

Information regarding on-site spills was not identified in documents available for review.

8 PHYSICAL SITE SETTING

No site-specific geologic or hydrogeologic information is available for the site. The following information is based on regional conditions in the Brooklyn/Queens area.

In general, the geologic setting of Newtown Creek area consists of Quaternary glacial deposits overlying Paleozoic gneiss and schist bedrock (Misut and Monti 1999). The contact between the glacial deposits and bedrock slopes rather steeply to the southeast, ranging in depth from less than 50 feet below ground surface (bgs) near the mouth of Newtown Creek to more than 200 feet bgs at the eastern portions of the historical data review area. The near surface geology is of most interest relative to potential groundwater transport pathways from upland sites to the creek. In most areas, a heterogeneous anthropogenic fill unit of variable thickness (generally less than 20 feet thick) immediately underlies the surface. Beneath the fill in most areas are complex upper glacial deposits of Late Pleistocene age, consisting of ablation till, outwash, and glaciolacustrine sediments. In some areas near Newtown Creek, a shell-bearing gray silt unit is present beneath the fill; this silt may represent post-glacial intertidal sediments deposited in wetlands adjacent to the creek prior to filling in the 1800s.

An extensive sequence of regionally significant glacial units underlies the upper glacial deposits in areas where bedrock is deeper (Misut and Monti 1999).

The surface aquifer is typically contained with the upper glacial deposits and the lower portion of the anthropogenic fill layer. Depth to groundwater varies from a few feet to about 30 feet and groundwater in the historical data review area. Shallow groundwater generally flows towards and discharges to Newtown Creek (Misut and Monti 1999).

9 NATURE AND EXTENT (CURRENT UNDERSTANDING OF ENVIRONMENTAL CONDITIONS)

9.1 Soil

Soil Investigations

☐ Yes ☒ No

Bank Samples

☐ Yes ☐ No ☒ Not Applicable

Soil-Vapor Investigations

☐ Yes ☒ No

Information regarding on-site soil investigations was not identified in documents available for review.

9.2 Groundwater

Groundwater Investigations

☐ Yes ☒ No

NAPL Presence (Historical and Current)

☐ Yes ☒ No

Dissolved COPC Plumes

☐ Yes ☒ No

Visual Seep Sample Data

☐ Yes ☐ No ☒ Not Applicable

Information regarding on-site groundwater investigations was not identified in documents available for review.

9.3 Surface Water

Surface Water Investigation

☐ Yes ☒ No

SPDES Permit (Current or Past)

☐ Yes ☒ No

Industrial Wastewater Discharge Permit (Current or Past)

☒ Yes ☐ No

Stormwater Data	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Catch Basin Solids Data	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Wastewater Data	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

9.3.1 Stormwater and Wastewater Systems

No records of site stormwater infrastructure were found in records reviewed. The site is within the Newtown Creek WPCP sewershed. Stormwater and wastewater discharges from the site flow into a combined municipal sewer system. When the combined flows exceed the system's capacity, untreated CSOs are discharged to Newtown Creek (NYCDEP 2007).

9.3.2 Industrial Wastewater Discharge Permit

IWD Permit Nos. 95-521-1 (NYCDEP 1995), 96-P542-1 (NYCDEP 1996a), and 01-P542-1 (NYCDEP 2001a) were obtained for this site. There were initially three permitted discharge points at the site (NYCDEP 1995):

- Discharge point 01, a 6-inch diameter ground floor housetrap, located in a pit, situated 3.5-inches from the building wall facing Weirfield Street and 12 inches from the interior wall facing Wyckoff Avenue
- Discharge point 02, a 4-inch diameter ground floor housetrap, located in a pit, situated 32 inches from the building wall facing Weirfield Street and 125 inches from the interior wall facing Cypress Avenue
- Discharge point 03, a 4-inch diameter basement housetrap, located in pit, situated 16 inches from the building wall facing Weirfield Street and 33.5 inches from the interior wall facing Cypress Avenue

Discharge point 03 was not listed in the two most recent permits, and the three permits have since expired. No current IWD permits for the site were found in material reviewed.

Permits are described in the following table:

Permit Type	Permit Number	Effective Date	Outfalls	Volume	Frequency-Parameters (Limit)		
NYCDEP IWDP	95-521-1	7/21/95 – 7/20/00	Discharge Points 01, 02, and 03		Pollutant	Max point concentration (mg/L)	Daily Average Max concentration (mg/L)
					pH	5.0 – 11.0	NA
					Cadmium	2.0	0.69
					Chromium (hex)	5.0	NA
					Copper	5.0	NA
					Lead	2.0	NA
					Mercury	0.05	NA
					Nickel	3.0	NA
					Zinc	5.0	NA
					Cyanide	0.2	NA
					PAH	50.0	NA
NYCDEP IWDP	96-P542-1	10/21/96 – 10/20/01	Discharge Points 01 and 02		Same as above		
NYCDEP IWDP	01-P542-1	4/9/01 – 4/8/06	Discharge Points M1 and M2		Same as above		

Notes:

IWD – Industrial Wastewater Discharge

mg/L – milligrams per liter

NA – not applicable

NYCDEP – New York City Department of Environmental Protection

PAH – polycyclic aromatic hydrocarbon

The following table summarizes the orders issued to the site regarding violations of the IWD permits. During the course of approximately 12 years of operations at the site, six orders were issued for instances of discharge violations (NYCECB 1995; NYCDEP 1992, 1996b, 2001b, 2001c, 2004).

NYCDEP Order No.	Report Date	Violation Date	Constituent	Result	Unit	Limit	Final Action
4255	12/09/92	9/10/92	Copper	15	mg/L	5.0	Notification of non-compliance
7605	04/06/95	02/95	Arsenic	Not given	mg/L		Notification of non-compliance
8756	1/11/96	10/9/95	Petroleum hydrocarbons	159.27	mg/L	50.0	Notification of non-compliance; \$500 fine
16572	5/30/01	3/12 and 3/13/01	pH	2.2/3.6	SU	5.0 – 11.0	Notification of non-compliance
25562	10/15/04	7/26/04	Non-polar materials	78.8	mg/L	50.0	Notification of non-compliance

Notes:

mg/L – milligrams per liter

NYCDEP – New York City Department of Environmental Protection

SU – standard unit

IWD permits indicate wastewaters generated at the site were tested for pH, cadmium, chromium, copper, lead, mercury, nickel, zinc, cyanide, and petroleum hydrocarbons. PV Knit Goods Processing Co. discharged its wastewater into public city sewers (NYCDEP 1995, 1996a, 2001a). There were initially three permitted discharge points on the site: two ground floor housetraps and one basement housetrap (NYCDEP 1995). Discharge point 03 was not listed in the two most recent permits (NYCDEP 1996a, 2001a), and the three permits have since expired. During the course of approximately 12 years of operations at the site, six orders were issued for instances of discharge violations (NYCECB 1995; NYCDEP 1992, 1996b, 2001b, 2004). Notifications of non-compliance were issued for petroleum hydrocarbons, copper, non-polar materials, and pH.

9.4 Sediment

Creek Sediment Data

☐ Yes ☐ No ☒ Not Applicable

Information regarding sediment investigations was not identified in documents available for review.

9.5 Air

Air Permit

☐ Yes ☒ No

Air Data

☐ Yes ☒ No

9.5.1 Air Permit

The current site occupant, Fashion Dye Works, Inc., however, is listed in the New York FIS database under the code FIS-2-6305-00092/00002 AIR PROGRAM (USEPA 2012). No further information was identified in documents available for review.

10 REMEDIATION HISTORY (INTERIM REMEDIAL MEASURES AND OTHER CLEANUPS)

Information related to on-site remedial activities was not identified in reviewed documents.

11 BIBLIOGRAPHY/INFORMATION SOURCES

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Processing Co., Inc. Permit Number 95-542-1. July 13, 1995.

NYCDEP, 1996a. Industrial Wastewater Discharge Permit. Issued to: P & V Knit Goods
Processing Co., Inc. Permit Number 96-P542-1. October 21, 1996.

NYCDEP, 1996b. Order No. 8756. Issued to: P & V Knit Goods Processing Co., Inc.
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NYCDEP, 2001a. Industrial Wastewater Discharge Permit. Issued to: P & V Knit Goods &
Processing Co., Inc. Permit No. 96-P542-1. April 9, 2001.

NYCDEP, 2001b. Order No. 15668. Issued to: P & V Knit Goods Processing Co., Inc.
January 9, 2001.

NYCDEP, 2001c. Order No. 16572. Issued to: P & V Knit Goods & Processing Co., Inc.
May 30, 2001.

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Calibration*. City-Wide Long Term CSO Control Planning Project. Newtown Creek
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3550. Accessed January 13, 2012.
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NYCECB (New York City Environmental Control Board), 1995. Decision and Order,
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Sanborn (Sanborn Map Company), 1902. *Insurance Maps of the Borough of Queens, City of New York*. Volume 3: Sheet 10. 1902.

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12 ATTACHMENTS

Figures

Figure 1 Site Vicinity Map: Facility PV Knit Goods Processing

Tables

Table 1 Potential Areas of Concern and Transport Pathways Assessment

Table 1
Potential Areas of Concern and Transport Pathways Assessment – PV Knit Goods Processing

Potential Areas of Concern	Media Impacted					COPCs														Potential Complete Pathway						
Description of Areas of Concern	Surface Soil	Subsurface Soil	Groundwater	Catch Basin Solids	Creek Sediment	TPH			VOCs			SVOCs	PAHs	Phthalates	Phenolics	Metals	PCBs	Herbicides and Pesticides	Dioxins/Furans	Overland Transport	Groundwater	Direct Discharge – Overwater	Direct Discharge – Storm/Wastewater	Discharge to Sewer/CSO	Bank Erosion	Air Releases
						Gasoline-Range	Diesel – Range	Heavier – Range	Petroleum Related (e.g., BTEX)	VOCs	Chlorinated VOCs															
Metal novelties manufacturing, textile dyeing, cotton finishing and textile machinery manufacturing practices and operations	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	✓	?	?	?	--	?	--	?	✓	--	?
Wastewater discharges	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	--	?	--	--	✓	--	?
AST	?	?	?	?	?	?	?	?	✓	?	?	?	?	?	?	?	?	?	?	--	?	--	?	?	--	?

Notes:

✓ – COPCs are/were present in areas of concern having a current or historical pathway that is determined to be complete or potentially complete.

? – There is not enough information to determine if COPC is/was present in area of concern or if pathway is complete.

-- – Current or historical pathway has been investigated and shown to be not present or incomplete.

BTEX – benzene, toluene, ethylbenzene, and xylenes

AST – aboveground storage tanks

COPC – constituents of potential concern

CSO – combined sewer overflows PAH – polycyclic aromatic hydrocarbons

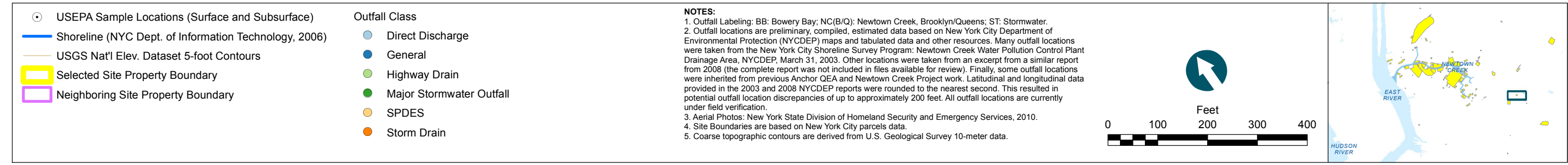
PCB – polychlorinated biphenyl

SVOC – semi-volatile organic compounds

TPH – total petroleum hydrocarbons

VOC – volatile organic compounds

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Figure 1
Site Vicinity Map
Draft Upland Site Summary: PV Knit Goods Processing
Newtown Creek RI/FS